

527 CMR 49.00: APPENDICES

Section

- 49.01: Appendix A
- 49.02: Appendix B
- 49.03: Appendix C

49.01: Appendix A

REFERENCED STANDARDS

Part I

The following is a listing of the standards referenced in 527 CMR, the effective date of the standard, the promulgating agency of the standard and the section(s) of 527 CMR that refer to the standard. Where the date of the standard indicated below is different than that indicated in other sections of 527 CMR, the date that appears in the other sections of 527 CMR shall take precedence.

AGA

American Gas Association
1515 Wilson Boulevard
Arlington, Virginia 22209
(703) 841-8400

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
NGV2		6.04 26.03, 26.04

ANSI

American National Standards Institute
11 West 42nd Street
New York, New York 10036
(212) 642-4900

Standard Reference Number	Title	Referenced in 527 CMR Section Number
A10.7-70	Safety Requirements for the Transportation, Storage, Handling, and Use of Commercial Explosives and Blasting Agents in the Construction Industry	2.06(2), 10.01, 13.13
B16.5 – 88	Pipe Flanges and Flange Fittings	15.04(11)
B16.24 – 91	Cast Copper Alloy Pipe Flanges and Flange Fittings	15.04(11)
B31.3 – 93	Chemical Plant and Petroleum Refinery Piping	15.05(3)
CGA-V-1 - 87	Compressed Gas Cylinder Valve Outlet and Inlet Connections	39.07(7)(f)
K61.1 – 89	Safety Requirements for the Storage and Handling of Anhydrous Ammonia	14.03(13)(a), 14.03(13)(c)
NGV2		26.03
Z49.1-88	Safety in Welding and Cutting	39.03
Z358.1 – 90	Emergency Eyewash and Shower Equipment	10.02(2)

49.01: continued

API

American Petroleum Institute
1220 L Street, NW
Washington, DC 20005
(202) 682-8378

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
		6.04(2), 26.04
1631 – 92	Interior Lining of Underground Storage Tanks	9.07(I)(4)
1632 – 87	Cathodic Protection of Underground Petroleum Storage Tanks and Piping Systems.....	9.02
	Code for Unfired Pressure Vessels for Petroleum Liquids and Gases	9.02, 9.07(G)
2009-88	Safe Welding and Cutting Practices in Refineries, Gasoline Plants and Petro- chemical Plants.....	39.03

ASA

American Standards Association (Now ANSI)
11 West 42nd Street
New York, New York 10036
(212) 642-4900

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
B31.1 – 92	Power Piping	9.03(G)(2)

ASME

American Society of Mechanical Engineers
22 Law Drive
Fairfield , NJ 07007
(201) 882-1170

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
		6.03, 26.03, 26.04
Section VIII - 95	Boiler and Pressure Vessel Code	6.07(4)(a), 7.04(a)(2), 7.04(a)(3), 8.07(2), 9.02, 9.07(G), 26.03

49.01: continued

ASTM *American Society for Testing Materials*
1916 Race Street
Philadelphia, Pennsylvania 19103-1187
(215) 299-5400

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
A395 – 88(93)E1	Ferric Ductile Iron Pressure Retaining Castings for Use at Elevated Temperatures.....	15.05(3)
D56 – 93	Test Method for Flash Point by Tag Closed Cup Tester.....	14.02, 15.02
D86 – 95	Standard Method of Test for Distillation of Petroleum Products.....	14.02
D93 – 94	Test Methods for Flash Point by Pensky- Martens Closed Cup Tester	14.02, 15.02
D323 – 94	Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method)	14.02, 35.02
D396 – 90	Specification for Fuel Oils.....	4.02, 9.02
E136 - 94A	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	39.03
E1537-93	Standard Test Method for Fire Testing of Real Scale Upholstered Furniture Items.....	29.03

ATF *Alcohol, Tobacco, and Firearms*
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402-9325
(202) 512-1800

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
		13.05 (Table 2), 1305(5)(b)
	Explosives and Blasting Procedures Manual ..	13.13
Pub. #5400.7 - 92	Ammunition and Explosives Safety Board	13.13
Title 27, Parts 55, 181	Explosive Materials	13.03, 13.04(5) 13.04(10)(a), 13.10(1), 13.13

AWS *American Welding Society*
550 N.W., 42nd Avenue
Miami, FL 33126
(305)443-9353

Standard Reference Number (- year)	Title	Referenced in 527 Section Number
AWS Z49.1 - 88	Safety in Welding and Cutting	39.03

49.01: continued

BM
*U.S. Bureau of Mines
810 7th Street N.W.
Washington, DC 20241
(202) 501-9650*

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
	Information Circular.....	13.13
R18507 – 80	Partical Velocity v. Frequency	13.09 (Figure a & b)

BOCA
*Building Official & Code Administrators International, Inc.
4051 West Flossmoor Road
Country Club Hills, Illinois 60478-5795
(708) 799-2300*

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
BNMC – 96	BOCA National Mechanical Code.....	5.03(9)(b), 10.14(1)(b), 10.14(3), 10.21(3), 10.21(4), 35.04(4)(d), 37.03(8)
BNFPC – 96	BOCA National Fire Prevention Code.....	39.03

CBHF
*California Department of Consumer Affairs
Bureau of Home Furnishings and Thermal Insulation
3485 Orange Grove Avenue
North Highlands, California 95660-5595
(916) 574-2040*

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
Tech. Bulletin 117 - 80	Requirements, Test Procedure and Apparatus for Testing the Flame Retardance of Resilient Filling Materials Used in Upholstered Furniture	10.08(2), 29.03(4), 29.03(5)
Tech. Bulletin 133 - 91	Flammability Test Procedure for Seating Furniture for Use in Public Occupancies .	29.03(1), 29.03(2), 29.03(4)

49.01: continued

CFR

Code of Federal Regulations
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402
(202) 512-1800

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
	Federal Resource Conservation and Recovery Act.....	9.02, 9.07(N)(1)
	Federal Comprehensive Environmental Response, Compensation and Liability Act of 1980.....	9.02
	Clean Water Act.....	9.07(N)(3)
	Natural Gas Pipeline Safety Act of 1968.	9.07(N)(12)
	United Nations (UN) Hazardous Material Identification.	8.05(1), 8.05(3)(b)
Title 29, Part 1910.225 Subpart Q	Welding, Cutting and Brazing	39.03
Title 33, Parts 126 and 154	Navigation and Navigable Waterways.....	13.05(4), 15.01(2)(c), 15.01(2)(d), 15.01(2)(e)
Title 40, Parts 261 and 302	Protection of Environment	9.02
Title 40, Parts 280 and 281	Protection of Environment (UST's)	9.05(G)(4)(d), 9.07(N)
Title 46	U.S. Coast Guard Standards.....	2.08(10)
Title 46, Parts 30 - 40	Shipping	15.01(2)(d), 15.07(4)
Title 49	Transportation	8.01(1), 8.01(2), 14.03(13)(a), 14.03(13)(b)
Title 49, Parts 172 Supbart F	Blasting agents	13.05(2)(e)
Title 49, Parts 174.16, 100-179	Hazardous Materials	13.03, 13.06, 13.06(1)(h), 13.06(3), 13.11(2), 13.11(3), 13.11(5), 13.13
Title 49, Parts 191-193	Pipeline Safety	39.04
Title 49, Parts 387-397	Federal Motor Carrier Safety	13.06(1)(a)

49.01: continued

CGA *Compressed Gas Association*
 1725 Jefferson Davis Highway
 Suite No. 1004
 Arlington, Virginia 22202
 (703) 412-0900 (ext. 799)

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
		26.04
E-1 – 94	Standard Connections for Regulator Outlets, Torches and Fitted Hose for Welding and Cutting Equipment.....	39.07(5)(f)
SB-11 - 87	Use of Rubber Welding Hose	39.07(5)(a)
V-1 – 94	Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections	39.07(6)(b), 39.07(7)(f)

CSA *Canadian Standards Association*
 55 Scarsdale Road
 Don Mills, Ontario, Canada M3B 2R3

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
B51 – 95	Boiler, Pressure Vessel and Pressure Piping Code.....	26.03

DOD *U.S. Department of Defense*
 c/o Superintendent of Documents
 U.S. Government Printing Office
 Washington, D.C. 20402-9325
 (202) 512-1800

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
		13.01(2)
DOD 6055.9STD	Ammunition and Explosives Safety Board	13.13

49.01: continued

DOT

*U.S. Department of Transportation
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402-9325
(202) 512-1800*

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
CFR Title 49	Transportation.....	2.04(1), 2.04(2), 2.04(5), 6.03, 6.07(2)(a), 6.07(3), 6.07(6)(h), 8.02(1), 8.07(4), 13.01(2), 13.03, 13.05 (Table 2), 13.06(1)(h), 13.06(3), 13.08(2), 13.09(1)(c), 13.11(1), 13.11(5), 14.04(9), 14.04(10), 15.02, 26.03, 35.04(2)(b), 39.07(7)(a), 39.07(7)(e), 39.07(10)(b)
Pub. No. FHWA-HI- 92-001 – 91	FHA National Highway Institute Course No. 13211	13.13

EPA

*U.S. Environmental Protection Agency
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402-9325
(202) 512-1800*

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
CFR Title 40	Protection of Environment.....	9.05(D)(4), 37.01(2)

FM

*Factory Mutual Engineering Corporation
1151 Boston Providence Turnpike
Norwood, Massachusetts 02062
(617) 255-4621*

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
		6.04, 26.04
Class Nos. 6051 and 6052 – 76	Safety Containers and Filling, Supply and Disposal Container.....	15.02, 5.10(1)
Loss Prevention Data Sheet 7-85 - 91	Metals and Alloys.....	14.03(14)(e)
Publication P9104	Hot Work Policy, Precautions and Permission.....	39.03

49.01: continued

ICC Interstate Commerce Commission (Now DOT)
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402-9325
(202) 512-1800

Table with 3 columns: Standard Reference Number (- year), Title, Referenced in 527 CMR Section Number. Row 1: CFR Title 49, Transportation....., 6.04, 26.04, 39.07(7)(a)

IME Institute of Makers of Explosives

Table with 3 columns: Standard Reference Number (- year), Title, Referenced in 527 CMR Section Number. Rows include: Pub. #1 - 93, Construction Guide for Storage Magazines....., 13.03; Pub. #2 - 91, The American Table of Distances, 13.13; Pub. # 3 - 85, Suggested Code of Regulations for the Manufacture, Transportation, Storage, Sale, Possession, and Use of Explosive Materials....., 13.13; Pub. #12 - 91, Glossary of Commercial Explosives Industry Terms, 13.13; Pub. #17 - 87, Safety in the Transportation, Storage, Handling, and Use of Explosive Materials....., 13.13; Pub. #20 -, Safety Guide for the Prevention of Radio Frequency Radiation Hazards in the Use of Commercial Electric Detonators (Blasting Caps)....., 13.09(1)(p)2.; Pub. #22 - 93, Recommendations for the Safe Transportation of Detonators in a Vehicle with Certain Other Explosive Materials..., 13.06(1)(h), 13.13

49.01: continued

NACE

National Association of Corrosion Engineers
P.O. Box 218340
Houston, Texas 77218-8340
(713) 492-0535

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
		9.02
RP0169 - 92	Control of External Corrosion on Underground or Submerged Metallic Piping Systems.....	9.05(E)(2)

NEMA

National Electrical Manufacturers Association
2101 L Street N.W.
Washington D.C. 20037
(202) 457-8400

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
	(No Specific Standard Referenced)	12.00 (210-8(a)(3))

NFPA

National Fire Protection Association
Batterymarch Park
Quincy, Massachusetts 02269
(617) 770-3000

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
10 - 98	The Standard for Portable Fire Extinguishers ...	8.15, 10.02(1), 15.02
12 - 93	Carbon Dioxide Extinguishing Systems	3.08(10)
14 - 93	Installation of Standpipe and Hose Systems	15.09(5)
17 - 94	Dry Chemical Extinguishing Systems.....	9.06(B)(1)(g)
30 - 93	Flammable and Combustible Liquids Code	14.03(22), 14.03(25)(e), 14.03(26), 15.09(9)
30A - 93	Automotive and Marine Service Station Code..	15.09(9)
32 - 90	Drycleaning Plants	3.03(1)(b), 3.15(1)
40 - 94	Storage and Handling of Cellulose Nitrate Motion Picture Film	7.01, 10.27
43D - 94	Storage of Pesticides in Portable Containers.....	37.03(10)
50A - 94	Gaseous Hydrogen Systems at Consumer Sites	14.03(13)(e)
51B - 94	Fire Prevention in Use of Cutting and Welding Processes	39.03
52 - 95	Standard for Compressed Natural Gas (CNG) - Vehicular Fuel Systems	26.02(2), 26.04, 26.07(1), 26.07(3), 26.07(5)
54 - 92	National Fuel Gas Code	10.03(7)
58 - 98	Liquefied Petroleum Gas Code	6.02(2)(c), 6.05(7), 6.07(1), 6.07(3), 6.07(4), 6.07(5)

UNOFFICIAL COPY
527 CMR: BOARD OF FIRE PREVENTION REGULATIONS

49.01: continued

61 - 95	Fires and Dust Explosions in Agricultural and Food Products Facilities	10.16(1)(a)
65 - 93	Processing and Finishing Aluminum	10.16(1)(a)
68 - 94	Venting of Deflagrations	10.16(1)(a)
69 - 92	Explosion Prevention Systems	10.16(1)(a)
70 - 96	National Electrical Code	12.00
72- 98	National Fire Alarm Code	24.07(3)(d)
82 - 94	Incinerators, Waste and Linen Handling Systems and Equipment	34.07(1)
85F (Now 8503 - 92)	Pulverized Fuel Systems	10.16(1)(a)
86 - 95	Ovens and Furnaces Design, Location and Equipment	10.19(3)(a)
86C - 95	Industrial Furnaces Using a Special Processing Atmosphere	10.19(3)(a)
86D - 95	Industrial Furnaces Using a Vacuum as an Atmosphere	10.19(3)(a)
90A - 93	Standard for the Installation of Air Conditioning and Ventilating Systems.....	4.04(5)(o)6.
90B - 93	Standard for the Installation of Warm Air Heating and Air Conditioning Systems.....	4.04(5)(o)6.
91 - 95	Installation of Exhaust Systems for Air Conveying of Materials.....	3.04(11), 9.04(6)(c), 10.16(1)(a), 18.01(6)
96 - 98	Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations	10.03(8)
101 - 94	Life Safety Code	10.03(6)
211 - 92	Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances.....	10.03(7)
329 - 92	Handling Underground Releases of Flammable and Combustible Liquids	9.05(5)(c)
480 - 93	Storage, Handling and Processing of Magnesium	14.03(14)(a)
481 - 95	Production, Processing , Handling and Storage of Titanium.....	14.03(14)(b)
482 - 87	Production, Processing, Handling and Storage of Zirconium.....	14.03(14)(c)
490 - 93	Storage of Ammonium Nitrate.....	10.16(1)(a)
495 - 92	Explosive Material Code.....	13.13
505-98	Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance and Operation	
651 - 93	Manufacture of Aluminum and Magnesium Powder	10.16(1)(a), 14.03(14)(d)
653 (Now 120 - 94)	Coal Preparation Plants	10.16(1)(a)
654 - 94	Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries.....	10.16(1)(a), 7.00
655 - 93	Sulfur Fires and Explosions	10.16(1)(a)
701 - 96	Flame-Resistant Textiles and Films	19.03(1), 19.03(2), 19.03(3), 19.03(4), 21.04(1), 21.04 (Tab.1 and 2)
1122 - 94	Code for Model Rocketry	16.01, 16.02
1123 - 95	Outdoor Display of Fireworks	2.06(2)

PEI
Petroleum Equipment Institute
P.O. Box 2380
Tulsa, Oklahoma 74101
(918) 494-9696

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
RP200 - 92	Recommended Practices for Installation of Aboveground Storage Systems for Motor Vehicle Fueling.....	9.04(A)(1)

RMA
Rubber Manufacturer Association
1400 K Street N.W.
Suite 900
Washington D.C. 20005
(202) 682-4800

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
IP-7 -	Rubber Welding Hose.....	39.07(5)(a)

UL
Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, Illinois 60062
(708) 272-8800

Standard Reference Number (- year)	Title	Referenced in 527 CMR Section Number
		6.04, 9.02, 26.04
30 – 91	Standard for Metal Safety Cans.....	5.10(1), 15.02
80 – 80	Steel Inside Tanks for Oil Burner Fuel	4.03(5)(b), 4.03(8)(b)
142 - 93	Steel Aboveground Tanks for Flammable and Combustible Liquids	4.03(5)(c), 4.03(8)(b), 9.03(F), 9.04(A)(2)
268 - 89	Smoke Detectors for Fire Protective Signaling Systems.....	24.06(1)(b)
2085 - 94	Insulated Aboveground Tanks for Flammable and Combustible Liquids.....	9.04(D)(1)

49.01: continued

REFERENCED STANDARDS

Part II

The following is a listing of recognized standards not specifically listed in 527 CMR. This listing is provided for informational purposes only and is not intended to represent a complete list of recognized standards.

<div>API</div> <div>American Petroleum Institute 1220 L Street, NW Washington, DC 20005 (202) 682-8378</div>	
Standard Reference Number (- year)	Title
1621 - 93	Bulk Liquid Stock Control at Retail Outlets
<div>NFPA</div> <div>National Fire Protection Association Batterymarch Park Quincy, Massachusetts 02269 (617) 770-3000</div>	
Standard Reference Number (- year)	Title
11 – 94	Low Expansion Foam and Combined Agent Systems
11A – 94	Medium and High Expansion Foam Systems
13 – 94	Installation of Sprinkler Systems
13D – 94	Sprinkler Systems in One- and Two- Family Dwellings and Mobile Homes
13R – 94	Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height
16 – 91	Deluge Foam-Water Sprinkler and Spray Systems
17A – 90	Wet Chemical Extinguishing Systems
20 – 93	Installation of Centrifugal Fire Pumps
22 – 96	Water Tanks for Private Fire Protection
24 – 95	Installation of Private Fire Service Mains
25 – 95	Inspection, Testing and Maintenance of Water-Based Fire Protection Systems
33 – 95	Spray Application Using Flammable and Combustible Liquids
34 – 95	Dipping and Coating Processes Using Flammable and Combustible Liquids
35 – 95	Manufacture of Organic Coatings
36 – 93	Solvent Extrication Plants
37 – 94	Combustion Engines and Gas Turbines
50 – 96	Bulk Oxygen Systems at Consumer Sites
51 – 92	Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting and Allied Processes
99 – 93	Health Care Facilities
704 – 90	Identification of the Fire Hazards of Materials
8503 – 92	Pulverized Fuel Systems

49.02: Appendix B

MASSACHUSETTS RULES AND
REGULATIONS OTHER THAN 527 CMR

Specific numbers have been established by the Massachusetts Office of the Secretary of the Commonwealth to identify for reference purposes all rules and regulations promulgated by agencies of the Commonwealth of Massachusetts. These numbers are designated as "Code of Massachusetts Regulations" (CMR's).

The following is a listing of CMR's referenced in 527 CMR, the promulgating agency of the CMR and the section(s) of 527 CMR that refer to the CMR.

DPH
Department of Public Health
150 Tremont Street, 10th floor
Boston, MA 02111
(617) 727-2700

Table with 3 columns: Standard Reference Number (- year), Title, Referenced Section in 527 CMR. Rows include 105 CMR Department of Public Health and 105 CMR Water Resource Commission Pamphlet Number 6672.

DPS
Department of Public Safety
1 Ashburton Place, Rm. 1301
Boston, MA 02108
(617) 727-3200

Table with 3 columns: Standard Reference Number (- year), Title, Referenced Section in 527 CMR. Rows include 248 CMR Uniform State Plumbing Code and Massachusetts Fuel Gas Code, 454 CMR 10.00 Construction Industry Rules and Regulations Part 17, and 502 CMR 3.00 Provisions for Approving Underground Steel Storage Tank Dismantling Yards.

49.02: continued

DEP

Department of Environmental Protection
One Winter Street
Boston, MA 02108
(617) 292-5500

Standard Reference Number (- year)	Title	Referenced Section in 527 CMR
		5.09(2), 9.02, 9.05(E)(1)(e), 9.05(E)(1)(f), 9.07(B)(6), 9.07(H)(1)(b), 9.07(H)(4), 9.07(H)(5), 9.07(H)(6), 9.07(J)(1), 9.07(K)(4), 10.01, 10.12(4)(b), 10.22(2), 10.22(3), 34.04, 37.01(2)
310 CMR 7.00	Air Pollution Control.....	9.05(G)(2)
310 CMR 19.00	Solid Waste Management.....	19.03(1)
310 CMR 22.00	Drinking Water.....	9.02
310 CMR 30.00	Hazardous Waste Regulations.....	9.05(D), 9.07(J)(2), 9.07(J)(3), 9.07(J)(2), 9.07(J)(3), 18.01(8)
310 CMR 40.00	Massachusetts Contingency Plan.....	9.02, 9.05(E)(1)(g), 9.07(H)(6), 9.07(J)(1)

DPU

Department of Public Utilities
100 Cambridge Street, 12th Floor
Boston, MA 02202
(617) 727-3500

Standard Reference Number (- year)	Title	Referenced Section in 527 CMR
220 CMR 100-112	Gas Distribution Code	39.04(1)(c)

DSP

Department of State Police
470 Worcester Road
Framingham, MA 01701
(508) 820-2300

Standard Reference Number (- year)	Title	Referenced Section in 527 CMR
		8.02(1)

EOAF

Executive Office of Administration and Finance
State House, Room 373
Boston, MA 02133
(617) 727-2040

Standard Reference Number (- year)	Title	Referenced Section in 527 CMR
801 CMR		50.06(2)

49.03: Appendix C

**DEFINITION AND REQUIREMENTS FOR A NATIONALLY RECOGNIZED
TESTING LABORATORY**

- (1) Application. 527 CMR 49.03 shall apply only when the term "nationally recognized testing laboratory" is used in other sections of 527 CMR.
- (2) Laboratory requirements. The term "*nationally recognized testing laboratory*" (NRTL) means an organization which tests for safety, and lists or labels or accepts, equipment or materials and which meets all of the following criteria:
- (a) For each specified item of equipment or material to be listed, labeled or accepted, the NRTL has the capability (including proper testing equipment and facilities, trained staff, written testing procedures, and calibration and quality control programs) to perform:
 - 1. Testing and examining of equipment and materials for safety purposes to determine conformance with appropriate test standards; or
 - 2. Experimental testing and examining of equipment and materials for safety purposes to determine conformance with appropriate test standards or performance in a specified manner.
 - (b) The NRTL shall provide, to the extent needed for the particular equipment or materials listed, labeled, or accepted, the following controls or services:
 - 1. Implements of control procedures for identifying the listed and labeled equipment or materials;
 - 2. Inspects the run of production of such items at factories for product evaluation purposes to assure conformance with the test standards: and
 - 3. Conducts field inspections to monitor and to assure the proper use of its identifying mark or labels on products;
 - (c) The NRTL is completely independent of employers subject to the tested equipment requirements, and of any manufacturers or vendors of equipment or materials being tested for these purposes: and,
 - (d) The NRTL maintains effective procedures for:
 - 1. Producing creditable findings or reports that are objective and without bias; and
 - 2. Handling complaints and disputes under a fair and reasonable system.
- (3) Test standards. An "*appropriate test standard*" referred to in 527 CMR 49.03(2)(a)1. and 2. is a document which specifies the safety requirements for specific equipment or class of equipment and is:
- (a) Recognized in the United States as a safety standard providing an adequate level of safety, and
 - (b) Compatible with and maintained current with periodic revisions of applicable national codes and installation standards, and
 - (c) Developed by a standards developing organization under a method providing for input and consideration of views of industry groups, experts, users, consumers, governmental authorities, and others having broad experience in the safety field involved, or
 - (d) In lieu of 527 CMR 49.03(3)(a), (b), and (c), the standard is currently designated as an American National Standards Institute (ANSI) safety designated product standard or an American Society for Testing and Materials (ASTM) test standard used for evaluation of products or materials.
- (4) Alternative test standard. If a testing laboratory desires to use a test standard other than one allowed under 527 CMR 49.03(3), then the State Fire Marshal shall evaluate the proposed standard to determine that it provides an adequate level of safety before it is used.

UNOFFICIAL COPY

527 CMR: BOARD OF FIRE PREVENTION REGULATIONS

NON-TEXT PAGE